Bruhat Bengaluru Mahanagara Palike

Yalahanka Project Division

Name Of work : - Improvements to roads and drains at Kodigehalli village from 4th to 5th cross and other roads in ward No. 08, Kodigehalli

Name of Agency :-M/s KRIDL

Bill No :- 1st and Final Bill

Pre-Measurements

Recorded on : 17/12/2018, 26/12/2018, 4/01/2019.

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg widt	Depth	Quantity	Remarks
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work										
	New Drain										
	Connecting Road 2nd cross road to 1st Cross Road										
	LHS										
	0.00	25.70		1	25.70			0.95	0.70	17.09	
	31.70	53.70		1	22.00			0.95	0.70	14.63	
	RHS										
	0.00	25.90		1	25.90			0.95	0.75	18.45	
	31.30	52.70		1	21.40			0.95	0.75	15.25	
	1st Cross Road										
	LHS										
	0.00	30.00		1	30.00			0.95	0.85	24.23	
	41.70	57.80		1	16.10			0.95	0.70	10.71	
	RHS										
	0.00	30.00		1	30.00			0.95	0.85	24.23	
	41.70	67.50		1	25.80			0.95	0.70	17.16	
	1st Cross Road (Vinayaka Vidya Kendra School)										
	LHS										
	0.00	13.00		1	13.00			0.95	0.75	9.26	
	13.00	23.00		1	10.00			0.95	0.75	7.13	
	23.00	32.00		1	9.00			0.95	0.75	6.41	
	32.00	47.10		1	15.10			0.95	0.75	10.76	

Assistant Executive Engineer
Byatarayanapura Sub-Division
Contractor KRIDL, BBMP, Bangalore

Assistant Engineer(Project) 04/01/2019.

Assistant Executive Engineer
Project Division, Yelahanka
04/01/2019

Bruhat Bengaluru Mahanagara Palike

Yalahanka Project Division

Name Of work : - Improvements to roads and drains at Kodigehalli village from 4th to 5th cross and other roads in ward No. 08, Kodigehalli

Name of Agency :-M/s KRIDL

Bill No :- 1st and Final Bill

Pre-Measurements

Recorded on

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg widt	Depth	Quantity	Remarks
	4th Main Road (Near Sai Baba Temple)										
	LHS										
	0.00	28.70		1	28.70			1.10	0.85	26.83	
	28.70	39.50		1	10.80			1.10	0.85	10.10	
	39.50	55.50		1	16.00			1.10	0.85	14.96	
	55.50	82.30		1	26.80			1.10	0.85	25.06	
	Cross Road/Culverts										
	3rd Cross Road										
	RHS										
	26.00	32.10		1	6.10			2.00	0.75	9.15	
	58.20	64.50		1	6.30			2.00	0.75	9.45	
	Connecting Road 2nd cross road to 1st Cross Road										
	RHS										
	25.90	31.30		1	5.40			2.00	0.75	8.10	
									Total	278.94	cum

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Contractor

Assistant Engineer(Project) 04/01/2019.

Assistant Executive Engineer
Project Division, Yelahanka
04/01/2019

Bruhat Bengaluru Mahanagara Palike

Yalahanka Project Division

Name Of work : - Improvements to roads and drains at Kodigehalli village from 4th to 5th cross and other roads in ward No. 08, Kodigehalli

Name of Agency :-M/s KRIDL

Bill No :- 1st and Final Bill

Pre-Measurements

Recorded on : 19/12/2018, 28/12/2018, 7/01/2019 & 25/02/2019.

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg widt	Depth	Quantity	Remarks
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work										
	New Drain										
	Connecting Road 2nd cross road to 1st Cross Road										
	LHS										
	0.00	25.70		1	25.70			0.95	0.15	3.66	
	31.70	53.70		1	22.00			0.95	0.15	3.14	
	RHS										
	0.00	25.90		1	25.90			0.95	0.15	3.69	
	31.30	52.70		1	21.40			0.95	0.15	3.05	
	1st Cross Road										
	LHS										
	0.00	30.00		1	30.00			0.95	0.15	4.28	
	41.70	57.80		1	16.10			0.95	0.15	2.29	
	RHS										
	0.00	30.00		1	30.00			0.95	0.15	4.28	
	41.70	67.50		1	25.80			0.95	0.15	3.68	
	1st Cross Road (Vinayaka Vidya Kendra School)										
	LHS										
	0.00	13.00		1	13.00			0.95	0.15	1.85	
	13.00	23.00		1	10.00			0.95	0.15	1.43	
	23.00	32.00		1	9.00			0.95	0.15	1.28	
	32.00	47.10		1	15.10			0.95	0.15	2.15	
	4th Main Road (Near Sai Baba Temple)										
	LHS										
	0.00	28.70		1	28.70			1.10	0.15	4.74	
	28.70	39.50		1	10.80			1.10	0.15	1.78	
	39.50	55.50		1	16.00			1.10	0.15	2.64	
	55.50	82.30		1	26.80			1.10	0.15	4.42	

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore
Contractor

Assistant Engineer(Project) 25/02/19

Assistant Executive Engineer
Project Division, Yelahanka
25/02/2019

Bruhat Bengaluru Mahanagara Palike

Yalahanka Project Division

Name Of work : - Improvements to roads and drains at Kodigehalli village from 4th to 5th cross and other roads in ward No. 08, Kodigehalli

Name of Agency :-M/s KRIDL

Bill No :- 1st and Final Bill

Pre-Measurements

Recorded on —

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg widt	Depth	Quantity	Remarks
	Cross Road/Culverts										
	3rd Cross Road										
	RHS										
	26.00	32.10		1	6.10			2.00	0.15	1.83	
	58.20	64.50		1	6.30			2.00	0.15	1.89	
	Connecting Road 2nd cross road to 1st Cross Road										
	RHS										
	25.90	31.30		1	5.40			2.00	0.15	1.62	
	New Concrete Road										
	2nd Cross Road (Sai Baba Temple Back Side RD)										
	0.00	15.00		1.00	15.00	5.30	5.30	5.30	0.20	15.90	
	15.00	30.00		1.00	15.00	5.30	5.20	5.20	0.20	15.60	
	30.00	45.00		1.00	15.00	5.20	5.50	5.35	0.20	16.05	
	45.00	60.00		1.00	15.00	5.50	5.45	5.48	0.20	16.43	
	60.00	61.20		1.00	1.20	5.40	5.00	5.20	0.20	1.25	
	1st Cross Road										
	0.00	15.00		1.00	15.00	4.55	4.55	4.55	0.20	13.65	
	15.00	25.00		1.00	10.00	4.50	4.50	5.20	0.20	10.40	
	Connecting Road 2nd cross road to 1st Cross Road										
	0.00	15.00		1.00	15.00	4.60	4.50	4.55	0.20	13.65	
	15.00	30.00		1.00	15.00	4.50	4.30	4.40	0.20	13.20	
	30.00	41.00		1.00	11.00	4.20	4.20	4.20	0.17	7.85	
									Total	**177.67**	**cum**

Assistant Executive Engineer
Byatarayanapura Sub-Division
Contractor KRIDL, BBMP, Bangalore

Assistant Engineer(Project) 25/02/13

Assistant Executive Engineer
Project Division, Yelahanka

25/02/2013

Bruhat Bengaluru Mahanagara Palike

Yalahanka Project Division

Name Of work : - Improvements to roads and drains at Kodigehalli village from 4th to 5th cross and other roads in ward No. 08, Kodigehalli

Name of Agency :-M/s KRIDL

Bill No :- 1st and Final Bill

Pre-Measurements

Recorded on : 22/12/2018, 01/01/2019, 11/01/2019 & 14/01/2019,

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg widt	Depth	Quantity	Remarks
3	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work										
	New Drain										
	Connecting Road 2nd cross road to 1st Cross Road										
	LHS										
	0.00	25.70		4	25.70				0.45	46.26	
	31.70	53.70		4	22.00				0.45	39.60	
	RHS										
	0.00	25.90		4	25.90				0.50	51.80	
	31.30	52.70		4	21.40				0.50	42.80	
	1st Cross Road										
	LHS										
	0.00	30.00		4	30.00				0.60	72.00	
	41.70	57.80		4	16.10				0.45	28.98	
	RHS										
	0.00	30.00		4	30.00				0.60	72.00	
	41.70	67.50		4	25.80				0.45	46.44	
	1st Cross Road (Vinayaka Vidya Kendra School)										
	LHS										
	0.00	13.00		4	13.00				0.50	26.00	
	13.00	23.00		4	10.00				0.50	20.00	
	23.00	32.00		4	9.00				0.50	18.00	
	32.00	47.10		4	15.10				0.50	30.20	
	4th Main Road (Near Sai Baba Temple)										
	LHS										
	0.00	28.70		4	28.70				0.60	68.88	
	28.70	39.50		4	10.80				0.60	25.92	
	39.50	55.50		4	16.00				0.60	38.40	
	55.50	82.30		4	26.80				0.60	64.32	
									Total	**691.60**	**sqm**

Contractor

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer(Project)

Assistant Executive Engineer
Project Division, Yelahanka

Bruhat Bengaluru Mahanagara Palike

Yalahanka Project Division

Name Of work : - Improvements to roads and drains at Kodigehalli village from 4th to 5th cross and other roads in ward No. 08, Kodigehalli

Name of Agency :-M/s KRIDL

Bill No :- 1st and Final Bill

Pre-Measurements

Recorded on : 22/12/2018, 01/01/2019.

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg widt	Depth	Quantity	Remarks
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.										
	RAFT										
	New Drain										
	Connecting Road 2nd cross road to 1st Cross Road										
	LHS										
	0.00	25.70		1	25.70			0.95	0.15	3.66	
	31.70	53.70		1	22.00			0.95	0.15	3.14	
	RHS										
	0.00	25.90		1	25.90			0.95	0.15	3.69	
	31.30	52.70		1	21.40			0.95	0.15	3.05	
	1st Cross Road										
	LHS										
	0.00	30.00		1	30.00			0.95	0.15	4.28	
	41.70	57.80		1	16.10			0.95	0.15	2.29	
	RHS										
	0.00	30.00		1	30.00			0.95	0.15	4.28	
	41.70	67.50		1	25.80			0.95	0.15	3.68	
	1st Cross Road (Vinayaka Vidya Kendra School)										
	LHS										
	0.00	13.00		1	13.00			0.95	0.15	1.85	
	13.00	23.00		1	10.00			0.95	0.15	1.43	
	23.00	32.00		1	9.00			0.95	0.15	1.28	
	32.00	47.10		1	15.10			0.95	0.15	2.15	

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Contractor

Assistant Engineer(Project)

Assistant Executive Engineer
Project Division, Yelahanka

Bruhat Bengaluru Mahanagara Palike

Yalahanka Project Division

Name Of work : - Improvements to roads and drains at Kodigehalli village from 4th to 5th cross and other roads in ward No. 08, Kodigehalli

Name of Agency :-M/s KRIDL

Bill No :- 1st and Final Bill

Pre-Measurements

Recorded on :- 11/01/2019 & 14/01/2019.

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg widt	Depth	Quantity	Remarks
	4th Main Road (Near Sai Baba Temple)										
	LHS										
	0.00	28.70		1	28.70			1.10	0.15	4.74	
	28.70	39.50		1	10.80			1.10	0.15	1.78	
	39.50	55.50		1	16.00			1.10	0.15	2.64	
	55.50	82.30		1	26.80			1.10	0.15	4.42	
	SIDE WALL										
	Connecting Road 2nd cross road to 1st Cross Road										
	LHS										
	0.00	25.70		2	25.70			0.15	0.45	3.47	
	31.70	53.70		2	22.00			0.15	0.45	2.97	
	RHS										
	0.00	25.90		2	25.90			0.15	0.50	3.89	
	31.30	52.70		2	21.40			0.15	0.50	3.21	
	1st Cross Road										
	LHS										
	0.00	30.00		2	30.00			0.15	0.60	5.40	
	41.70	57.80		2	16.10			0.15	0.45	2.17	
	RHS										
	0.00	30.00		2	30.00			0.15	0.60	5.40	
	41.70	67.50		2	25.80			0.15	0.45	3.48	
	1st Cross Road (Vinayaka Vidya Kendra School)										
	LHS										
	0.00	13.00		2	13.00			0.15	0.50	1.95	
	13.00	23.00		2	10.00			0.15	0.50	1.50	
	23.00	32.00		2	9.00			0.15	0.50	1.35	
	32.00	47.10		2	15.10			0.15	0.50	2.27	
	4th Main Road (Near Sai Baba Temple)										
	LHS										
	0.00	28.70		2	28.70			0.15	0.60	5.17	
	28.70	39.50		2	10.80			0.15	0.60	1.94	
	39.50	55.50		2	16.00			0.15	0.60	2.88	
	55.50	82.30		2	26.80			0.15	0.60	4.82	
									Total	**100.22**	**cum**

Assistant Executive Engineer
Construction
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer(Project) 14/01/19.

Assistant Executive Engineer
Project Division, Yelahanka
14/01/2019

Bruhat Bengaluru Mahanagara Palike

Yalahanka Project Division

Name Of work : - Improvements to roads and drains at Kodigehalli village from 4th to 5th cross and other roads in ward No. 08, Kodigehalli

Name of Agency :-M/s KRIDL

Bill No :- 1st and Final Bill

Pre-Measurements

Recorded on : 22/12/2018, 01/01/2019, 14/01/2019,

BOQ Item No	Description / Chainage	Side	Nos	L	B1	B2	Avg widt	Depth	Quantity	Remarks
5	KSRB - 4.9.2: Providing TMT steel Fe500 reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work									
							Unit weight of steel / meter			
	Connecting Road 2nd cross road to 1st Cross Road									
	LHS									
	0.00 25.70		1	25.70						
	10 mm main U bars	1	235	2.05				0.620	298.69	
	8mm Dia Dist. bars	1	10	25.70				0.400	102.80	
	31.70 53.70		1	22.00						
	10 mm main U bars	1	201	2.05				0.620	255.47	
	8mm Dia Dist. bars	1	10	22.00				0.400	88.00	
	RHS									
	0.00 25.90		1	25.90						
	10 mm main U bars	1	236	2.15				0.620	314.59	
	8mm Dia Dist. bars	1	11	25.90				0.400	113.96	
	31.30 52.70		1	21.40						
	10 mm main U bars	1	196	2.15				0.620	261.27	
	8mm Dia Dist. bars	1	11	21.40				0.400	94.16	
	1st Cross Road									
	LHS									
	0.00 30.00		1	30.00						
	10 mm main U bars	1	274	2.35				0.620	399.22	
	8mm Dia Dist. bars	1	12	30.00				0.400	144.00	
	41.70 57.80		1	16.10						
	10 mm main U bars	1	147	2.35				0.620	214.18	
	8mm Dia Dist. bars	1	12	16.10				0.400	77.28	
	RHS									
	0.00 30.00		1	30.00						
	10 mm main U bars	1	274	2.05				0.620	348.25	
	8mm Dia Dist. bars	1	10	30.00				0.400	120.00	

Contractor

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Engineer(Project) 14/01/19

Assistant Executive Engineer
Project Division, Yelahanka

Bruhat Bengaluru Mahanagara Palike

Yalahanka Project Division

Name Of work : - Improvements to roads and drains at Kodigehalli village from 4th to 5th cross and other roads in ward No. 08, Kodigehalli

Name of Agency :-M/s KRIDL

Bill No :- 1st and Final Bill

Pre-Measurements

Recorded on

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg widt	Depth	Quantity	Remarks
	41.70	67.50		1	25.80						
	10 mm main U bars		1	236	2.05				0.620	299.96	
	8mm Dia Dist. bars		1	10	25.80				0.400	103.20	
	1st Cross Road (Vinayaka Vidya Kendra School)										
	LHS										
	0.00	13.00		1	13.00						
	10 mm main U bars		1	119	2.15				0.620	158.63	
	8mm Dia Dist. bars		1	11	13.00				0.400	57.20	
	13.00	23.00		1	10.00						
	10 mm main U bars		1	92	2.15				0.620	122.64	
	8mm Dia Dist. bars		1	11	10.00				0.400	44.00	
	23.00	32.00		1	9.00						
	10 mm main U bars		1	83	2.15				0.620	110.64	
	8mm Dia Dist. bars		1	11	9.00				0.400	39.60	
	32.00	47.10		1	15.10						
	10 mm main U bars		1	138	2.15				0.620	183.95	
	8mm Dia Dist. bars		1	11	15.10				0.400	66.44	
	4th Main Road (Near Sai Baba Temple)										
	LHS										
	0.00	28.70		1	28.70						
	10 mm main U bars		1	262	2.50				0.620	406.10	
	8mm Dia Dist. bars		1	13	28.70				0.400	149.24	
	28.70	39.50		1	10.80						
	10 mm main U bars		1	99	2.50				0.620	153.45	
	8mm Dia Dist. bars		1	13	10.80				0.400	56.16	
	39.50	55.50		1	16.00						
	10 mm main U bars		1	146	2.50				0.620	226.30	
	8mm Dia Dist. bars		1	13	16.00				0.400	83.20	
	55.50	82.30		1	26.80						
	10 mm main U bars		1	245	2.50				0.620	379.75	
	8mm Dia Dist. bars		1	13	26.80				0.400	139.36	
										5611.68	**kgs**
									Total	**5.61**	**MT**
									Limited to BOQ Qty	**5.53**	

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore
Contractor

Assistant Engineer(Project) 14/01/2019

Assistant Executive Engineer
Project Division, Yelahanka.
14/01/2019

Bruhat Bengaluru Mahanagara Palike

Yalahanka Project Division

Name Of work : - Improvements to roads and drains at Kodigehalli village from 4th to 5th cross and other roads in ward No. 08, Kodigehalli

Name of Agency :-M/s KRIDL

Bill No :- 1st and Final Bill

Pre-Measurements

Recorded on 22/12/2018.

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg widt	Depth	Quantity	Remarks
6	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications.										
	Cross Road/Culverts										
	3rd Cross Road										
	RHS										
	26.00	32.10		2	6.10			0.45	0.60	3.29	
	58.20	64.50		2	6.30			0.45	0.60	3.40	
	Connecting Road 2nd cross road to 1st Cross Road										
	RHS										
	25.90	31.30		2	5.40			0.45	0.60	2.92	
									Total	**9.61**	**Cum**

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore
Contractor

Assistant Engineer(Project) 22/12/18

Assistant Executive Engineer
Project Division, Yelahanka

Bruhat Bengaluru Mahanagara Palike

Yalahanka Project Division

Name Of work : - Improvements to roads and drains at Kodigehalli village from 4th to 5th cross and other roads in ward No. 08, Kodigehalli

Name of Agency :-M/s KRIDL

Bill No :- 1st and Final Bill

Pre-Measurements

Recorded on : ~~14/01/2019~~ 14/01/2019.

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg widt	Depth	Quantity	Remarks
7	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.										
	Cross Road/Culverts										
	3rd Cross Road										
	RHS										
	26.00	32.10		2	6.10			0.45	0.10	0.55	
	58.20	64.50		2	6.30			0.45	0.10	0.57	
	Connecting Road 2nd cross road to 1st Cross Road										
	RHS										
	25.90	31.30		2	5.40			0.45	0.10	0.49	
								Total		**1.60**	**Cum**

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore
Contractor

Assistant Engineer(Project) 14/01/19.

Assistant Executive Engineer
Project Division, Yelahanka
14/01/20

Bruhat Bengaluru Mahanagara Palike

Yalahanka Project Division

Name Of work : - Improvements to roads and drains at Kodigehalli village from 4th to 5th cross and other roads in ward No. 08, Kodigehalli

Name of Agency :-M/s KRIDL

Bill No :- 1st and Final Bill

Pre-Measurements

Recorded on

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg widt	Depth	Quantity	Remarks
11	KSRRB M200-12.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. i) Lime /Cement Concrete. I. By Manual Means :B. Cement Concrete Grade M-15 & M-20. MORTH										
	Concrete Road										
	2nd Cross Road (Sai Baba Temple Back Side RD)										
	0.00	15.00		1	15.00	5.30	5.30	5.30	0.10	7.95	
	15.00	30.00		1	15.00	5.30	5.20	5.20	0.10	7.80	
	30.00	45.00		1	15.00	5.20	5.50	5.35	0.10	8.03	
	45.00	60.00		1	15.00	5.50	5.45	5.48	0.10	8.21	
	60.00	61.20		1	1.20	5.40	5.00	5.20	0.10	0.62	
	1st Cross Road										
	0.00	15.00		1	15.00	4.55	4.55	4.55	0.10	6.83	
	15.00	25.00		1	10.00	4.50	4.50	5.20	0.10	5.20	
	Connecting Road 2nd cross road to 1st Cross Road										
	0.00	15.00		1	15.00	4.60	4.50	4.55	0.10	6.83	
	15.00	30.00		1	15.00	4.50	4.30	4.40	0.10	6.60	
	30.00	41.00		1	11.00	4.20	4.20	4.20	0.10	4.62	
	Santitary Work										
	Dismantling of Concrete										
	2nd cross to Service Road										
	0.00	15.00		1	15.00			0.90	0.30	4.05	
	15.00	30.00		1	15.00			0.90	0.30	4.05	
	30.00	45.00		1	15.00			0.90	0.30	4.05	

Assistant Executive Engineer
Byatarayanapura Sub-Division
Contractor KRIDL, BBMP, Bangalore

Assistant Engineer(Project) 15/2/19.

Assistant Executive Engineer
Project Division, Yelahanka.
15/2/2019

Bruhat Bengaluru Mahanagara Palike

Yalahanka Project Division

Name Of work : - Improvements to roads and drains at Kodigehalli village from 4th to 5th cross and other roads in ward No. 08, Kodigehalli

Name of Agency :-M/s KRIDL

Bill No :- 1st and Final Bill

Pre-Measurements

Recorded on

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg widt	Depth	Quantity	Remarks
	1st Cross Road										
	0.00	15.00		1	15.00			0.90	0.30	4.05	
	15.00	30.00		1	15.00			0.90	0.30	4.05	
	30.00	45.00		1	15.00			0.90	0.30	4.05	
	45.00	60.00		1	15.00			0.90	0.30	4.05	
	60.00	75.00		1	15.00			0.90	0.30	4.05	
	75.00	90.00		1	15.00			0.90	0.30	4.05	
	90.00	100.00		1	10.00			0.90	0.30	2.70	
	2nd Cross Road (Sai Baba Temple Back side Rd)										
	0.00	15.00		1	15.00			0.90	0.30	4.05	
	15.00	30.00		1	15.00			0.90	0.30	4.05	
	30.00	45.00		1	15.00			0.90	0.30	4.05	
	45.00	60.00		1	15.00			0.90	0.30	4.05	
	60.00	62.00		1	2.00			0.90	0.30	0.54	
	in Service Road										
	0.00	15.00		1	15.00			0.90	0.30	4.05	
	15.00	30.00		1	15.00			0.90	0.30	4.05	
	30.00	40.00		1	10.00			0.90	0.30	2.70	
									Total	**129.37**	**Cum**
									Limited BOQ Qty	**129.01**	

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore
Contractor

Assistant Engineer(Project) 15/2/19

Assistant Executive Engineer
Project Division, Yelahanka
15/2/2015

Bruhat Bengaluru Mahanagara Palike

Yalahanka Project Division

Name Of work : - Improvements to roads and drains at Kodigehalli village from 4th to 5th cross and other roads in ward No. 08, Kodigehalli

Name of Agency :-M/s KRIDL

Bill No :- 1st and Final Bill

Pre-Measurements

Recorded on

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg widt	Depth	Quantity	Remarks
16	EXCAVATING FOR PIPE LINE TRENCHES OF REQUIRED WIDTH by mechanical / & manual means including dressing sides, ramming of bottoms, providing barricading, danger lighting, shoring, strutting, dewatering, etc. IN ALL KINDS OF SOIL MIXED WITH BOULDERS of 30 cms size, etc. for: Pipes of all dia. for depth upto 2.0 M in all types of soils Note : If any shoring and strutting, will be paid separately (BWSSB SR 17-18, P.51, I No.1.1-A050A)										
	Santitary Work										
	2nd cross to Service Road										
	0.00	15.00		1.00	15.00			0.90	1.9	25.65	
	15.00	30.00		1.00	15.00			0.90	1.9	25.65	
	30.00	45.00		1.00	15.00			0.90	1.9	25.65	
	1st Cross Road										
	0.00	15.00		1.00	15.00			0.90	1.9	25.65	
	15.00	30.00		1.00	15.00			0.90	1.9	25.65	
	30.00	45.00		1.00	15.00			0.90	1.9	25.65	
	45.00	60.00		1.00	15.00			0.90	1.9	25.65	
	60.00	75.00		1.00	15.00			0.90	1.9	25.65	
	75.00	90.00		1.00	15.00			0.90	1.9	25.65	
	90.00	100.00		1.00	10.00			0.90	1.9	17.10	
	2nd Cross Road (Sai Baba Temple Back side Rd)										
	0.00	15.00		1.00	15.00			0.90	1.9	25.65	
	15.00	30.00		1.00	15.00			0.90	1.9	25.65	
	30.00	45.00		1.00	15.00			0.90	1.9	25.65	
	45.00	60.00		1.00	15.00			0.90	1.9	25.65	
	60.00	62.00		1.00	2.00			0.90	1.9	3.42	
	in Service Road										
	0.00	15.00		1.00	15.00			0.90	1.9	25.65	
	15.00	30.00		1.00	15.00			0.90	1.9	25.65	
	30.00	40.00		1.00	10.00			0.90	1.9	17.10	
	Deduction of Manhole Qty			-7.00	1.20			0.90	1.6	-12.10	
									Total	**410.27**	**Cum**

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore
Contractor

Assistant Engineer(Project) 15/2/19

Assistant Executive Engineer
Project Division, Yelahanka

Bruhat Bengaluru Mahanagara Palike

Yalahanka Project Division

Name Of work : - Improvements to roads and drains at Kodigehalli village from 4th to 5th cross and other roads in ward No. 08, Kodigehalli

Name of Agency :-M/s KRIDL

Bill No :- 1st and Final Bill

Pre-Measurements

Recorded on

BOQ Item No	Description / Chainage		Side	Nos	L	B1	B2	Avg widt	Depth	Quantity	Remarks
17	Supplying, lowering, laying, jointing, testing and commissioning of Glazed Stone Ware Pipes of following dia, conforming to IS 651:1992, IS 4127 with latest amendments, including conveying to work site, caulking with hemp dipped in tar and jointing with CM 1:1.5 using OPC, perfect linking and curing for 10 days and testing with water etc. with all lead, lifts and as per Technical Specifications. The cost to include the cost of all jointing materials, necessary survey works for laying of sewer lines etc. complete. The contractor will make own arrangements for procuring water for testing. 230 mm dia. pipes(BWSSB SR 17-18, P.157 I.No 3.4 T030D)										
	Santitary Work										
	2nd cross to Service Road										
	0.00	15.00		1.00	15.00					15.00	
	15.00	30.00		1.00	15.00					15.00	
	30.00	45.00		1.00	15.00					15.00	
	1st Cross Road										
	0.00	15.00		1.00	15.00					15.00	
	15.00	30.00		1.00	15.00					15.00	
	30.00	45.00		1.00	15.00					15.00	
	45.00	60.00		1.00	15.00					15.00	
	60.00	75.00		1.00	15.00					15.00	
	75.00	90.00		1.00	15.00					15.00	
	90.00	100.00		1.00	10.00					10.00	
	2nd Cross Road (Sai Baba Temple Back side Rd)										
	0.00	15.00		1.00	15.00					15.00	
	15.00	30.00		1.00	15.00					15.00	
	30.00	45.00		1.00	15.00					15.00	
	45.00	60.00		1.00	15.00					15.00	
	60.00	62.00		1.00	2.00					2.00	
	in Service Road										
	0.00	15.00		1.00	15.00					15.00	
	15.00	30.00		1.00	15.00					15.00	
	30.00	40.00		1.00	10.00					10.00	
	Deduction of Manhole Qty			-7.00	1.20					-8.40	
									Total	**238.60**	**Rmt**

Assistant Executive Engineer
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore
Contractor

Assistant Engineer(Project) 18/2/19

Assistant Executive Engineer
Project Division, Yelahanka.
18/2/2019